

LOCATION PROCESSING SYSTEM

ABSTRACT OF THE DISCLOSURE

A device for determining the location of a communication device includes a network interface, a signal enhancement module, a tone decoder, and a translator. The network interface is capable of receiving a location message comprising a plurality of signal tones. The signal enhancement module is capable of modifying selected signal tones, the selected signal tones having a frequency within a predetermined range of frequencies. The tone decoder is capable of decoding the modified signal tones into a plurality of decoded values. The translator is capable of determining a location of a user based on at least the decoded values